

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			39.194083° -121.935512°	39.194083° -121.935512°
DWR ID	DWR_ST0003_01_f_2016_10				
Comment Code					
Inspector Comment					
LMA has O+M manual.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			39.194083° -121.935512°	39.194083° -121.935512°
DWR ID	DWR_ST0003_01_f_2016_15				
Comment Code					
Inspector Comment					
LMA has a stockpile of supplies.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			39.194083° -121.935512°	39.194083° -121.935512°
DWR ID	DWR_ST0003_01_f_2016_16				
Comment Code					
Inspector Comment					
The LMA attends annual training and maintains emergency response plans.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.11	Rating **	C	Issue No.	130
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.195163 °	39.195038 °
				-121.936815 °	-121.937435 °
DWR ID	DWR_ST0003_01_s_2017_130				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair the erosion along the waterside slope.					

No Photos

LM Start	0.24	Rating **	C	Issue No.	82
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.195234 °	39.195234 °
				-121.939124 °	-121.939124 °
DWR ID	DWR_ST0003_01_f_2016_82				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.42	Rating **	C	Issue No.	81
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.196483 °	39.196483 °
				-121.942228 °	-121.942228 °
DWR ID	DWR_ST0003_01_f_2016_81				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.51	Rating **	U	Issue No.	168
LM End	0.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.197028°	39.197028°
				-121.943597°	-121.943597°
DWR ID	17307				
Comment Code					
Inspector Comment					
DS_ID:17307 FS_ID:56010 EP_NO: 9534 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/29/2019 Record has been updated from No Action Needed to Urgent, pipe wall at inlet has failed. No permit has been identified authorizing pipe. Records show that this is an LMA responsible structure and not a private owner drainage structure. DWR DMP has completed internal inspection of structure (see report). Need to review record and update current owner of structure. (O. Magana - DWR UCIP)10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/24/2017 Both sides of crossing were underwater during site visit. Will need to revisit after water levels drop. (DWR Sutter Yard- A Freitag)11/07/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)06/06/2016 Crossing appears to be in good condition.04/06/2015 Good Condition. No issues. Semi circle CMP half riser in inlet structure on LS. Inlet opening has no trash rack, this may cause safety issue.06/30/2014 Same as last inspection.12/30/2013 Same as last inspection.07/29/2013 Same as last inspection. FIELD_STRUCT_DESC: [Butte Slough Drainage Structure] 78-inch drainage pipe of an unknown material through the levee, 3 feet below the crown. Flap gate on the waterside (WS). Corrugated metal pipe (CMP) half riser (in a semi-circle configuration) in the inlet structure on the landside (LS). (78-inch pipe [HLM 0.44] authorized under Automatic Board Order (ABO) issued as Permit No. 9534, 1974 - Caleta). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 0.44)]. FS Date: 7/29/2019 11:05:00 AM					

Photo 1 of 3 : UCIP_FA_2019_56010_46962.jpg



WS view: overview towards CMP sewer pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.51	Rating **	U	Issue No.	168 (cont)	
LM End	0.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.197028 °	39.197028 °	
				-121.943597 °	-121.943597 °	
DWR ID	17307					
Comment Code						
Inspector Comment						
DS_ID:17307 FS_ID:56010 EP_NO: 9534 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/29/2019 Record has been updated from No Action Needed to Urgent, pipe wall at inlet has failed. No permit has been identified authorizing pipe. Records show that this is an LMA responsible structure and not a private owner drainage structure. DWR DMP has completed internal inspection of structure (see report). Need to review record and update current owner of structure. (O. Magana - DWR UCIP)10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/24/2017 Both sides of crossing were underwater during site visit. Will need to revisit after water levels drop. (DWR Sutter Yard- A Freitag)11/07/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)06/06/2016 Crossing appears to be in good condition.04/06/2015 Good Condition. No issues. Semi circle CMP half riser in inlet structure on LS. Inlet opening has no trash rack, this may cause safety issue.06/30/2014 Same as last inspection.12/30/2013 Same as last inspection.07/29/2013 Same as last inspection. FIELD_STRUCT_DESC: [Butte Slough Drainage Structure] 78-inch drainage pipe of an unknown material through the levee, 3 feet below the crown. Flap gate on the waterside (WS). Corrugated metal pipe (CMP) half riser (in a semi-circle configuration) in the inlet structure on the landside (LS). (78-inch pipe [HLM 0.44] authorized under Automatic Board Order (ABO) issued as Permit No. 9534, 1974 - Caleta). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 0.44)]. FS Date: 7/29/2019 11:05:00 AM						

Photo 2 of 3 : UCIP_FA_2019_56010_46960.jpg



WS view: water flowing from CMP sewer pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.51	Rating **	U	Issue No.	168 (cont)
LM End	0.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.197028°	39.197028°
				-121.943597°	-121.943597°
DWR ID	17307				

Comment Code

Inspector Comment

DS_ID:17307
 FS_ID:56010
 EP_NO: 9534
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 07/29/2019 Record has been updated from No Action Needed to Urgent, pipe wall at inlet has failed. No permit has been identified authorizing pipe. Records show that this is an LMA responsible structure and not a private owner drainage structure. DWR DMP has completed internal inspection of structure (see report). Need to review record and update current owner of structure. (O. Magana - DWR UCIP)10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) 04/24/2017 Both sides of crossing were underwater during site visit. Will need to revisit after water levels drop. (DWR Sutter Yard- A Freitag)11/07/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)06/06/2016 Crossing appears to be in good condition.04/06/2015 Good Condition. No issues. Semi circle CMP half riser in inlet structure on LS. Inlet opening has no trash rack, this may cause safety issue.06/30/2014 Same as last inspection.12/30/2013 Same as last inspection.07/29/2013 Same as last inspection.
 FIELD_STRUCT_DESC: [Butte Slough Drainage Structure] 78-inch drainage pipe of an unknown material through the levee, 3 feet below the crown. Flap gate on the waterside (WS). Corrugated metal pipe (CMP) half riser (in a semi-circle configuration) in the inlet structure on the landside (LS). (78-inch pipe [HLM 0.44] authorized under Automatic Board Order (ABO) issued as Permit No. 9534, 1974 - Caleta). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 0.44)].
 FS Date: 7/29/2019 11:05:00 AM

Photo 3 of 3 : UCIP_FA_2019_56010_46961.jpg



LS view: overview

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.54	Rating **	C	Issue No.	9
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.197267°	39.198178°	
			-121.944232°	-121.946412°	
DWR ID	DWR_ST0003_01_s_2017_9				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the debris from the waterside slope.					

No Photos

LM Start	0.89	Rating **	C	Issue No.	85
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.196864°	39.196864°	
			-121.949619°	-121.949619°	
DWR ID	DWR_ST0003_01_s_2019_85				
Comment Code					
DE : Debris					
Inspector Comment					
The debris and fallen trees along the waterside toe should be removed.					

No Photos

LM Start	1.17	Rating **	C	Issue No.	80
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.194126°	39.194126°	
			-121.953345°	-121.953345°	
DWR ID	DWR_ST0003_01_f_2016_80				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	1.44	Rating **	U	Issue No.	172
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.192502 °	39.192502 °
				-121.958062 °	-121.958062 °
DWR ID	17320				

Comment Code

Inspector Comment

DS_ID:17320
FS_ID:56013
EP_NO: 9543
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/29/2019 same as 2018 inspection, Urgent. No access is available to WS due to dense vegetation, assume WS pipe is still completely deteriorated. Recommend internal inspection to determine the damage, if any, through the levee. (O. Magana - DWR UCIP)08/30/2018 WS vegetation too thick to clearly inspect WS pipe so assume same condition as last inspections so crossing remains Urgent due to pipe integrity. WS levee slope looks good. No signs of levee threat to the road crown. LS headwall looks in good condition (D. Sanoski - DWR UCIP).04/24/2017 WS was underwater during the site visit but I do not believe that any repairs have been made to this crossing yet. (DWR Sutter Yard- AFreitag)11/07/2016 No repairs have been made here yet. (DWR Sutter Yard- AFreitag)06/17/2016 River levels were down and the WS pipe end was exposed. WS end is completely rotten and damaged and flap gate has fallen off the end of the pipe (see pics). Pipe needs to be replaced or repaired. (DWR Sutter Yard - afreitag)04/05/2016 Erosion on WS slope still present. Pipe still fully submerged on WS and discharging into river during site visit. (DWR UCIP - kfazel)04/06/2015 Pipe leaks during high water. DWR employee said he suspects that the flap gate has rotted and fallen off WS end of pipe. Could not locate WS end of pipe to confirm. Water was flowing through this drain during field survey. (DWR Sutter Yard - afreitag)06/30/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/30/2013 Same as last inspection. (DWR Sutter Yard - afreitag)07/29/2013 Same as last inspection. (DWR Sutter Yard - afreitag) 12/13/2012 Water was flowing through this drain during field survey. (DWR UCIP - pamatya)
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe (at 45 degrees) through the levee, 25.2 feet below the crown. Flap gate on the waterside (WS), not found in 2016. (30-inch pipe [HLM 1.38] authorized under Automatic Board Order (ABO) issued as Permit No. 9543, 1974 - Harada). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, revision March 1960 (HLM 1.38)]
FS Date: 7/29/2019 11:08:00 AM

Photo 1 of 3 : UCIP_FA_2019_56013_46992.jpg



WS view: overview of river bank

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	1.44	Rating **	U	Issue No.	172 (cont)
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.192502 °	39.192502 °
				-121.958062 °	-121.958062 °
DWR ID	17320				

Comment Code

Inspector Comment

DS_ID:17320
FS_ID:56013
EP_NO: 9543
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/29/2019 same as 2018 inspection, Urgent. No access is available to WS due to dense vegetation, assume WS pipe is still completely deteriorated. Recommend internal inspection to determine the damage, if any, through the levee. (O. Magana - DWR UCIP)08/30/2018 WS vegetation too thick to clearly inspect WS pipe so assume same condition as last inspections so crossing remains Urgent due to pipe integrity. WS levee slope looks good. No signs of levee threat to the road crown. LS headwall looks in good condition (D. Sanoski - DWR UCIP).04/24/2017 WS was underwater during the site visit but I do not believe that any repairs have been made to this crossing yet. (DWR Sutter Yard- AFreitag)11/07/2016 No repairs have been made here yet. (DWR Sutter Yard- AFreitag)06/17/2016 River levels were down and the WS pipe end was exposed. WS end is completely rotten and damaged and flap gate has fallen off the end of the pipe (see pics). Pipe needs to be replaced or repaired. (DWR Sutter Yard - afreitag)04/05/2016 Erosion on WS slope still present. Pipe still fully submerged on WS and discharging into river during site visit. (DWR UCIP - kfazel)04/06/2015 Pipe leaks during high water. DWR employee said he suspects that the flap gate has rotted and fallen off WS end of pipe. Could not locate WS end of pipe to confirm. Water was flowing through this drain during field survey. (DWR Sutter Yard - afreitag)06/30/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/30/2013 Same as last inspection. (DWR Sutter Yard - afreitag)07/29/2013 Same as last inspection. (DWR Sutter Yard - afreitag) 12/13/2012 Water was flowing through this drain during field survey. (DWR UCIP - pamatya)
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe (at 45 degrees) through the levee, 25.2 feet below the crown. Flap gate on the waterside (WS), not found in 2016. (30-inch pipe [HLM 1.38] authorized under Automatic Board Order (ABO) issued as Permit No. 9543, 1974 - Harada). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, revision March 1960 (HLM 1.38)]
FS Date: 7/29/2019 11:08:00 AM

Photo 2 of 3 : UCIP_FA_2019_56013_46991.jpg



WS view: water flowing from outlet pipe (pipe fully submerge)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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LM Start	1.44	Rating **	U	Issue No.	172 (cont)
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.192502 °	39.192502 °
				-121.958062 °	-121.958062 °
DWR ID	17320				

Comment Code

Inspector Comment

DS_ID:17320
FS_ID:56013
EP_NO: 9543
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/29/2019 same as 2018 inspection, Urgent. No access is available to WS due to dense vegetation, assume WS pipe is still completely deteriorated. Recommend internal inspection to determine the damage, if any, through the levee. (O. Magana - DWR UCIP)08/30/2018 WS vegetation too thick to clearly inspect WS pipe so assume same condition as last inspections so crossing remains Urgent due to pipe integrity. WS levee slope looks good. No signs of levee threat to the road crown. LS headwall looks in good condition (D. Sanoski - DWR UCIP).04/24/2017 WS was underwater during the site visit but I do not believe that any repairs have been made to this crossing yet. (DWR Sutter Yard- AFreitag)11/07/2016 No repairs have been made here yet. (DWR Sutter Yard- AFreitag)06/17/2016 River levels were down and the WS pipe end was exposed. WS end is completely rotten and damaged and flap gate has fallen off the end of the pipe (see pics). Pipe needs to be replaced or repaired. (DWR Sutter Yard - afreitag)04/05/2016 Erosion on WS slope still present. Pipe still fully submerged on WS and discharging into river during site visit. (DWR UCIP - kfazel)04/06/2015 Pipe leaks during high water. DWR employee said he suspects that the flap gate has rotted and fallen off WS end of pipe. Could not locate WS end of pipe to confirm. Water was flowing through this drain during field survey. (DWR Sutter Yard - afreitag)06/30/2014 Same as last inspection. (DWR Sutter Yard - afreitag)12/30/2013 Same as last inspection. (DWR Sutter Yard - afreitag)07/29/2013 Same as last inspection. (DWR Sutter Yard - afreitag) 12/13/2012 Water was flowing through this drain during field survey. (DWR UCIP - pamatya)
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FS Date: 7/29/2019 11:08:00 AM

Photo 3 of 3 : UCIP_FA_2019_56013_46990.jpg



LS view: overview of levee slope

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	1.93	Rating **	C	Issue No.	88
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.188102°	39.188102°	
			-121.964988°	-121.964988°	
DWR ID	DWR_ST0003_01_s_2019_88				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
The abandoned vehicle should be removed from the waterside slope.					

No Photos

LM Start	2.15	Rating **	C	Issue No.	89
LM End	2.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.187698°	39.187698°	
			-121.969020°	-121.969020°	
DWR ID	DWR_ST0003_01_s_2019_89				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The fallen trees should be removed from the waterside toe.					

No Photos

LM Start	2.42	Rating **	M	Issue No.	86
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.187718°	39.187824°	
			-121.974005°	-121.974343°	
DWR ID	DWR_ST0003_01_f_2016_86				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	2.56	Rating **	M	Issue No.	177	
LM End	2.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.188768 °	39.188768 °	
				-121.976305 °	-121.976305 °	
DWR ID	17309					
Comment Code						
Inspector Comment						
DS_ID:17309 FS_ID:56018 EP_NO: 9541 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/29/2019 Record remains Non-Urgent, need to audit record to correct current owner of structure. Need to clarify owner for this crossing. Crossing was issued an ABO in 1974 however, this structure seems to be primarily used for drainage. Crossing is listed as LMA responsible and private owner. Crossing appears to be in good condition. (O. Magana - DWR UCIP)04/24/2017 Still no sign of WS pipe end or flap gate. LS appears to be in good condition. (DWR Sutter Yard- AFreitag) 11/07/2016 LS culvert measured to be 30"wide X 30"tall. WS end is not visible so could not be measured. (DWR Sutter Yard- AFreitag)06/06/2016 Cannot locate the WS headwall/flap gate. Appears to have been silted over.04/06/2015 Same as last inspection. Concrete surg box on WS. Flap gate in concrete "U" headwall at the waterward end- not found.06/30/2014 Same as last inspection.12/30/2013 Same as last inspection.07/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 30-inch reinforced concrete box drainage culvert through the levee, 14.3 feet below the crown. 30-inch corrugated metal pipe connects concrete culvert from slide gate out to flap gate on the waterside (WS) end. Slide gate in a concrete riser on the waterside (WS) slope. (30-inch pipe [HLM 2.49] authorized under Automatic Board Order (ABO) issued as Permit No. 9541, 1974 - Wilbur, McGowan, Zinke). [Additional Reference(s): DWR Levee Logs, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 2.49)]. FS Date: 7/29/2019 11:12:00 AM						

Photo 1 of 3 : UCIP_FA_2019_56018_47027.jpg



WS view: overview- concrete surg tank

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	2.56	Rating **	M	Issue No.	177 (cont)	
LM End	2.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.188768 °	39.188768 °	
				-121.976305 °	-121.976305 °	
DWR ID	17309					
Comment Code						
Inspector Comment						
DS_ID:17309 FS_ID:56018 EP_NO: 9541 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/29/2019 Record remains Non-Urgent, need to audit record to correct current owner of structure. Need to clarify owner for this crossing. Crossing was issued an ABO in 1974 however, this structure seems to be primarily used for drainage. Crossing is listed as LMA responsible and private owner. Crossing appears to be in good condition. (O. Magana - DWR UCIP)04/24/2017 Still no sign of WS pipe end or flap gate. LS appears to be in good condition. (DWR Sutter Yard- AFreitag) 11/07/2016 LS culvert measured to be 30"wide X 30"tall. WS end is not visible so could not be measured. (DWR Sutter Yard- AFreitag)06/06/2016 Cannot locate the WS headwall/flap gate. Appears to have been silted over.04/06/2015 Same as last inspection. Concrete surg box on WS. Flap gate in concrete "U" headwall at the waterward end- not found.06/30/2014 Same as last inspection.12/30/2013 Same as last inspection.07/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 30-inch reinforced concrete box drainage culvert through the levee, 14.3 feet below the crown. 30-inch corrugated metal pipe connects concrete culvert from slide gate out to flap gate on the waterside (WS) end. Slide gate in a concrete riser on the waterside (WS) slope. (30-inch pipe [HLM 2.49] authorized under Automatic Board Order (ABO) issued as Permit No. 9541, 1974 - Wilbur, McGowan, Zinke). [Additional Reference(s): DWR Levee Logs, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 2.49)]. FS Date: 7/29/2019 11:12:00 AM						

Photo 2 of 3 : UCIP_FA_2019_56018_47026.jpg



WS view: overview- concrete surg tank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	2.56	Rating **	M	Issue No.	177 (cont)	
LM End	2.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.188768 °	39.188768 °	
				-121.976305 °	-121.976305 °	
DWR ID	17309					
Comment Code						
Inspector Comment						
DS_ID:17309 FS_ID:56018 EP_NO: 9541 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/29/2019 Record remains Non-Urgent, need to audit record to correct current owner of structure. Need to clarify owner for this crossing. Crossing was issued an ABO in 1974 however, this structure seems to be primarily used for drainage. Crossing is listed as LMA responsible and private owner. Crossing appears to be in good condition. (O. Magana - DWR UCIP)04/24/2017 Still no sign of WS pipe end or flap gate. LS appears to be in good condition. (DWR Sutter Yard- AFreitag) 11/07/2016 LS culvert measured to be 30"wide X 30"tall. WS end is not visible so could not be measured. (DWR Sutter Yard- AFreitag)06/06/2016 Cannot locate the WS headwall/flap gate. Appears to have been silted over.04/06/2015 Same as last inspection. Concrete surg box on WS. Flap gate in concrete "U" headwall at the waterward end- not found.06/30/2014 Same as last inspection.12/30/2013 Same as last inspection.07/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 30-inch reinforced concrete box drainage culvert through the levee, 14.3 feet below the crown. 30-inch corrugated metal pipe connects concrete culvert from slide gate out to flap gate on the waterside (WS) end. Slide gate in a concrete riser on the waterside (WS) slope. (30-inch pipe [HLM 2.49] authorized under Automatic Board Order (ABO) issued as Permit No. 9541, 1974 - Wilbur, McGowan, Zinke). [Additional Reference(s): DWR Levee Logs, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 2.49)]. FS Date: 7/29/2019 11:12:00 AM						

Photo 3 of 3 : UCIP_FA_2019_56018_47025.jpg



WS view: slide gate inside concrete surg tank

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	2.79	Rating **	C	Issue No.	103
LM End	2.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.190671 °	39.190671 °
				-121.979706 °	-121.979706 °
DWR ID	DWR_ST0003_01_s_2019_103				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	2.84	Rating **	M	Issue No.	104
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.191162 °	39.191162 °
				-121.980365 °	-121.980365 °
DWR ID	DWR_ST0003_01_s_2018_104				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0003_264_104_20190822_00029.jpg



View of the erosion along the waterside slope caused by vehicle traffic.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	3.32	Rating **	U	Issue No.	179
LM End	3.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.196865 °	39.196865 °
				-121.985280 °	-121.985280 °
DWR ID	17311				

Comment Code

Inspector Comment

DS_ID:17311
FS_ID:56020
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/30/2019 Record remains Urgent due to pipe integrity. DMP internal inspection was completed. Internal inspection noted surface damage corrosion and hole void visible, refer to DMP internal inspection report. New gate installed to control flood water entering pipe and flooding LS. No permit has been identified authorizing pipe. Pipe was not in use/clogged prior to the 2017 high water event. Owner will need to coordinate with CVFPB to properly remove or abandon pipe per Title 23 requirements. (O. Magana - DWR UCIP)08/30/2018 Pipe found; at a different Lat/Long than is listed, however. Revised Lat/Long is (39.196865, -121.985280; CLM 3.32). WS pipe end is visible and has a functioning slide gate; LS pipe end is exposed with no closure device or headwall. Keeping as Urgent because the LS pipe discharges into a hole and could pose a threat to the levee prism during a high water event. There are also cracks on the crown that could be related to the pipe beneath. Recommend an internal pipe inspection to be sure of the levee integrity (D.Sanoski - DWR UCIP).04/06/2017 Pipe was found in January 2017 during a high water event when water uncovered the buried WS end which led to uncontrolled water flow through during the high water event. The WS pipe opening was temporarily blocked off by plywood and sandbags until the pipe can be properly plugged or abandoned. Pics updated. (DWR Sutter Yard- Afreitag)11/07/2016 Unable to locate. (DWR Sutter Yard- Afreitag)06/06/2016 Unable to locate.04/06/2015 Unable to locate.06/30/2014 Unable to locate.12/30/2013 Unable to locate.07/29/2013 Same as last inspection. Unable to locate.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.4 feet below the crown. Slide gate on the waterside (WS) end. (Automatic Board Order (ABO) issued as Permit No. 9539, 1974 - Locvich). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 3.25)].
FS Date: 7/30/2019 10:49:00 AM

Photo 1 of 3 : UCIP_FA_2019_56020_76919.jpg



LS view of water exiting the pipe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	3.32	Rating **	U	Issue No.	179 (cont)
LM End	3.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.196865 °	39.196865 °
				-121.985280 °	-121.985280 °
DWR ID	17311				

Comment Code

Inspector Comment

DS_ID:17311
FS_ID:56020
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/30/2019 Record remains Urgent due to pipe integrity. DMP internal inspection was completed. Internal inspection noted surface damage corrosion and hole void visible, refer to DMP internal inspection report. New gate installed to control flood water entering pipe and flooding LS. No permit has been identified authorizing pipe. Pipe was not in use/clogged prior to the 2017 high water event. Owner will need to coordinate with CVFPB to properly remove or abandon pipe per Title 23 requirements. (O. Magana - DWR UCIP)08/30/2018 Pipe found; at a different Lat/Long than is listed, however. Revised Lat/Long is (39.196865, -121.985280; CLM 3.32). WS pipe end is visible and has a functioning slide gate; LS pipe end is exposed with no closure device or headwall. Keeping as Urgent because the LS pipe discharges into a hole and could pose a threat to the levee prism during a high water event. There are also cracks on the crown that could be related to the pipe beneath. Recommend an internal pipe inspection to be sure of the levee integrity (D.Sanoski - DWR UCIP).04/06/2017 Pipe was found in January 2017 during a high water event when water uncovered the buried WS end which led to uncontrolled water flow through during the high water event. The WS pipe opening was temporarily blocked off by plywood and sandbags until the pipe can be properly plugged or abandoned. Pics updated. (DWR Sutter Yard- Afreitag)11/07/2016 Unable to locate. (DWR Sutter Yard- Afreitag)06/06/2016 Unable to locate.04/06/2015 Unable to locate.06/30/2014 Unable to locate.12/30/2013 Unable to locate.07/29/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.4 feet below the crown. Slide gate on the waterside (WS) end. (Automatic Board Order (ABO) issued as Permit No. 9539, 1974 - Locvich). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 3.25)]. FS Date: 7/30/2019 10:49:00 AM

Photo 2 of 3 : UCIP_FA_2019_56020_76920.jpg



LS view from levee shoulder

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	3.32	Rating **	U	Issue No.	179 (cont)
LM End	3.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.196865 °	39.196865 °
				-121.985280 °	-121.985280 °
DWR ID	17311				

Comment Code

Inspector Comment

DS_ID:17311
FS_ID:56020
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/30/2019 Record remains Urgent due to pipe integrity. DMP internal inspection was completed. Internal inspection noted surface damage corrosion and hole void visible, refer to DMP internal inspection report. New gate installed to control flood water entering pipe and flooding LS. No permit has been identified authorizing pipe. Pipe was not in use/clogged prior to the 2017 high water event. Owner will need to coordinate with CVFPB to properly remove or abandon pipe per Title 23 requirements. (O. Magana - DWR UCIP)08/30/2018 Pipe found; at a different Lat/Long than is listed, however. Revised Lat/Long is (39.196865, -121.985280; CLM 3.32). WS pipe end is visible and has a functioning slide gate; LS pipe end is exposed with no closure device or headwall. Keeping as Urgent because the LS pipe discharges into a hole and could pose a threat to the levee prism during a high water event. There are also cracks on the crown that could be related to the pipe beneath. Recommend an internal pipe inspection to be sure of the levee integrity (D.Sanoski - DWR UCIP).04/06/2017 Pipe was found in January 2017 during a high water event when water uncovered the buried WS end which led to uncontrolled water flow through during the high water event. The WS pipe opening was temporarily blocked off by plywood and sandbags until the pipe can be properly plugged or abandoned. Pics updated. (DWR Sutter Yard- Afreitag)11/07/2016 Unable to locate. (DWR Sutter Yard- Afreitag)06/06/2016 Unable to locate.04/06/2015 Unable to locate.06/30/2014 Unable to locate.12/30/2013 Unable to locate.07/29/2013 Same as last inspection. Unable to locate.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.4 feet below the crown. Slide gate on the waterside (WS) end. (Automatic Board Order (ABO) issued as Permit No. 9539, 1974 - Locvich). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 3.25)].
FS Date: 7/30/2019 10:49:00 AM

Photo 3 of 3 : UCIP_FA_2019_56020_76921.jpg



WS view of the temporary plug on WS end.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	3.68	Rating **	M	Issue No.	181
LM End	3.68	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.201650 °	39.201650 °	
			-121.984075 °	-121.984075 °	
DWR ID	17313				

Comment Code

Inspector Comment

DS_ID:17313
FS_ID:56022
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/30/2019 Record remains Non-Urgent, pipe has been abandoned. Coordinates have been updated from 39.201831, -121.984006 to 39.2016497, -121.9840750 based on the DMP Geophysics Study and UCIP field confirmation. Per the DMP Geophysics Study the pipe is still present through the levee. LMA will need to monitor levee section until funds become available to remove or properly abandon pipe through the levee. (O. Magana - DWR UCIP)04/24/2017 Slide gate structure found on WS about 10ft from levee toe. Vegetation was too thick to see if there were any more appurtenances associated with this crossing visible on the WS. Nothing was visible on the LS. House located above pipe alignment at LS levee toe. Crossing appears abandoned and should be done so properly. (DWR Sutter Yard- AFreitag)11/07/2016 Unable to locate. (DWR Sutter Yard- AFreitag)06/06/2016 Unable to locate.04/06/2015 Unable to locate.06/30/2014 Unable to locate.12/30/2013 Unable to locate07/29/2013 Same as last inspection. Unable to locate.
FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 3.6)].
FS Date: 7/30/2019 10:52:00 AM

LM Start	3.68	Rating **	M	Issue No.	181 (cont)
LM End	3.68	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_56022_77004.jpg



Slide gate structure found on WS

Photo 2 of 3 : UCIP_FA_2019_56022_80177.jpg



Overview of levee crown looking d/s towards crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	3.68	Rating **	M	Issue No.	181 (cont)							
LM End	3.68	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		39.201650 °	39.201650 °								
			-121.984075 °	-121.984075 °								
DWR ID	17313											
Comment Code												
Inspector Comment												
DS_ID:17313 FS_ID:56022 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/30/2019 Record remains Non-Urgent, pipe has been abandoned. Coordinates have been updated from 39.201831, -121.984006 to 39.2016497, -121.9840750 based on the DMP Geophysics Study and UCIP field confirmation. Per the DMP Geophysics Study the pipe is still present through the levee. LMA will need to monitor levee section until funds become available to remove or properly abandon pipe through the levee. (O. Magana - DWR UCIP)04/24/2017 Slide gate structure found on WS about 10ft from levee toe. Vegetation was too thick to see if there were any more appurtenances associated with this crossing visible on the WS. Nothing was visible on the LS. House located above pipe alignment at LS levee toe. Crossing appears abandoned and should be done so properly. (DWR Sutter Yard- AFreitag)11/07/2016 Unable to locate. (DWR Sutter Yard- AFreitag)06/06/2016 Unable to locate.04/06/2015 Unable to locate.06/30/2014 Unable to locate.12/30/2013 Unable to locate07/29/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 3.6)]. FS Date: 7/30/2019 10:52:00 AM												

Photo 3 of 3 : UCIP_FA_2019_56022_77005.jpg



View of WS from levee shoulder

LM Start	3.71	Rating **	C	Issue No.	108							
LM End	3.71	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		39.202300 °	39.202300 °								
			-121.983736 °	-121.983736 °								
DWR ID	DWR_ST0003_01_s _ 2019_108											
Comment Code												
TR : Tree or limb												
Inspector Comment												
The large trees should be removed from the waterside slope.												

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	3.78	Rating **	C	Issue No.	109
LM End	3.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.203255°	39.203255°	
			-121.983195°	-121.983195°	
DWR ID	DWR_ST0003_01_s_2019_109				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The large tree should be removed from the waterside toe.					

No Photos

LM Start	4.24	Rating **	C	Issue No.	110
LM End	4.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.208838°	39.208838°	
			-121.985084°	-121.985084°	
DWR ID	DWR_ST0003_01_s_2019_110				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The large fallen tree should be removed from the waterside slope.					

No Photos

LM Start	4.74	Rating **	M	Issue No.	105
LM End	4.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.213390°	39.214107°	
			-121.991860°	-121.993489°	
DWR ID	DWR_ST0003_01_f_2016_105				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	5.91	Rating **	C	Issue No.	116
LM End	5.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.220711 °	39.220711 °
				-122.005703 °	-122.005703 °
DWR ID	DWR_ST0003_01_s_2019_116				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.47	Rating **	M	Issue No.	99
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.224719 °	39.224719 °
				-121.998623 °	-121.998623 °
DWR ID	DWR_ST0003_01_f_2016_99				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0003_264_99_20190822_00025.jpg



View of the overgrown vegetation along the landside slope.

LM Start	6.75	Rating **	C	Issue No.	97
LM End	6.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.228291 °	39.228291 °
				-121.998579 °	-121.998579 °
DWR ID	DWR_ST0003_01_f_2016_97				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	6.76	Rating **	A/W	Issue No.	136
LM End	6.79	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.228311 °	39.228730 °	
			-121.998555 °	-121.998109 °	
DWR ID	DWR_ST0003_01_s_2012_30				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:11 Site Designation:DWR_ST0003_01_s_2012_30 Repair Type: Erosion Rating:Area of Concern Field Date:6/7/2017 Notes: Rodent activity seems to be the source of the problem. Local runoff/rainfall eroded the rodent holes to an advanced state of erosion that could continue with future exposure to wet conditions. Simple fix for the issue would be to grout the holes. Problem levee is a set-back levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	7.72	Rating **	M	Issue No.	205	
LM End	7.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.239458 °	39.239458 °	
				-121.993398 °	-121.993398 °	
DWR ID	17301					
Comment Code						
Inspector Comment						
DS_ID:17301 FS_ID:55543 EP_NO: 9532 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record remains Non-Urgent, structure has been abandoned. No other information is available about potential abandoned pipe or method of abandonment. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. No permit has been identified authorizing the pipe. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done properly(O. Magana - DWR UCIP)04/19/2017 Abandoned-erosion/depression present around the WS box (DWR Sutter Yard-AFreitag)10/31/2016 Abandoned and erosion still present near WS box.(DWR Sutter Yard- A Freitag)06/01/2016 Appears to be an abandoned crossing.04/01/2015 Silted concrete box on WS. Depression/erosion around concrete box on WS.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Silted concrete box on WS. Depression/erosion around concrete box on WS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch by 48-inch reinforced concrete box drainage culvert through the levee, 11.6 feet below the crown. Slide gate in a concrete box on the waterside (WS) slope. (3-foot by 4-foot culvert [HLM 7.73] authorized under Automatic Board Order (ABO) issued as Permit No. 9532, 1974 - Martin). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 7.73)]. FS Date: 7/31/2019 8:23:00 AM						

Photo 1 of 3 : UCIP_FA_2019_55543_77008.jpg



Depression around WS concrete box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	7.72	Rating **	M	Issue No.	205 (cont)	
LM End	7.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.239458 °	39.239458 °	
				-121.993398 °	-121.993398 °	
DWR ID	17301					
Comment Code						
Inspector Comment						
DS_ID:17301 FS_ID:55543 EP_NO: 9532 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record remains Non-Urgent, structure has been abandoned. No other information is available about potential abandoned pipe or method of abandonment. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. No permit has been identified authorizing the pipe. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done properly(O. Magana - DWR UCIP)04/19/2017 Abandoned-erosion/depression present around the WS box (DWR Sutter Yard-AFreitag)10/31/2016 Abandoned and erosion still present near WS box.(DWR Sutter Yard- A Freitag)06/01/2016 Appears to be an abandoned crossing.04/01/2015 Silted concrete box on WS. Depression/erosion around concrete box on WS.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Silted concrete box on WS. Depression/erosion around concrete box on WS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch by 48-inch reinforced concrete box drainage culvert through the levee, 11.6 feet below the crown. Slide gate in a concrete box on the waterside (WS) slope. (3-foot by 4-foot culvert [HLM 7.73] authorized under Automatic Board Order (ABO) issued as Permit No. 9532, 1974 - Martin). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 7.73)]. FS Date: 7/31/2019 8:23:00 AM						

Photo 2 of 3 : UCIP_FA_2019_55543_77009.jpg



Depression around WS concrete box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	7.72	Rating **	M	Issue No.	205 (cont)	
LM End	7.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.239458 °	39.239458 °	
				-121.993398 °	-121.993398 °	
DWR ID	17301					
Comment Code						
Inspector Comment						
DS_ID:17301 FS_ID:55543 EP_NO: 9532 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record remains Non-Urgent, structure has been abandoned. No other information is available about potential abandoned pipe or method of abandonment. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. No permit has been identified authorizing the pipe. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done properly(O. Magana - DWR UCIP)04/19/2017 Abandoned-erosion/depression present around the WS box (DWR Sutter Yard-AFreitag)10/31/2016 Abandoned and erosion still present near WS box.(DWR Sutter Yard- A Freitag)06/01/2016 Appears to be an abandoned crossing.04/01/2015 Silted concrete box on WS. Depression/erosion around concrete box on WS.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Silted concrete box on WS. Depression/erosion around concrete box on WS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch by 48-inch reinforced concrete box drainage culvert through the levee, 11.6 feet below the crown. Slide gate in a concrete box on the waterside (WS) slope. (3-foot by 4-foot culvert [HLM 7.73] authorized under Automatic Board Order (ABO) issued as Permit No. 9532, 1974 - Martin). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 7.73)]. FS Date: 7/31/2019 8:23:00 AM						

Photo 3 of 3 : UCIP_FA_2019_55543_77010.jpg



WS concrete box full of silt.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.32	Rating **	M	Issue No.	208
LM End	8.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.246317 °	39.246317 °
				-121.998825 °	-121.998825 °
DWR ID	17304				
Comment Code					
Inspector Comment					
DS_ID:17304 FS_ID:55547 EP_NO: 9529 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record remains Non-Urgent; internal inspection found some issues with pipe. Pipe has been abandoned (LS silted in) since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done properly. (DWR Sutter Yard- A Freitag)10/31/2016 Abandoned (DWR Sutter Yard- A Freitag)06/01/2016 Abandoned- only WS riser and slide gate found.04/01/2015 CMP riser and slide gate on WS. LS distribution box is silted in. 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Looks abandoned. CMP riser with slide gate on WS. Concrete distribution box on LS- full with silt. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, invert 12.8 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete box at the landside (LS) toe. (24-inch pipe [HLM 8.35] authorized under Automatic Board Order (ABO) issued as Permit No. 9529, 1974 - Dorwood Ranching Company). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.35)]. FS Date: 7/31/2019 8:24:00 AM					

Photo 1 of 3 : UCIP_FA_2019_55547_47202.jpg



Crown view: overview (both sides of the levee)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.32	Rating **	M	Issue No.	208 (cont)	
LM End	8.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.246317 °		39.246317 °
				-121.998825 °		-121.998825 °
DWR ID	17304					
Comment Code						
Inspector Comment						
DS_ID:17304 FS_ID:55547 EP_NO: 9529 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record remains Non-Urgent; internal inspection found some issues with pipe. Pipe has been abandoned (LS silted in) since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done properly. (DWR Sutter Yard- AFreitag)10/31/2016 Abandoned (DWR Sutter Yard-Afreitag)06/01/2016 Abandoned- only WS riser and slide gate found.04/01/2015 CMP riser and slide gate on WS. LS distribution box is silted in. 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Looks abandoned. CMP riser with slide gate on WS. Concrete distribution box on LS- full with silt. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, invert 12.8 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete box at the landside (LS) toe. (24-inch pipe [HLM 8.35] authorized under Automatic Board Order (ABO) issued as Permit No. 9529, 1974 - Dorwood Ranching Company). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.35)]. FS Date: 7/31/2019 8:24:00 AM						

Photo 2 of 3 : UCIP_FA_2019_55547_47201.jpg



WS view: overview of CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.32	Rating **	M	Issue No.	208 (cont)
LM End	8.32	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.246317°	39.246317°	
			-121.998825°	-121.998825°	
DWR ID	17304				

Comment Code

Inspector Comment

DS_ID:17304
FS_ID:55547
EP_NO: 9529
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record remains Non-Urgent; internal inspection found some issues with pipe. Pipe has been abandoned (LS silted in) since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done properly. (DWR Sutter Yard- A Freitag)10/31/2016 Abandoned (DWR Sutter Yard- A Freitag)06/01/2016 Abandoned- only WS riser and slide gate found.04/01/2015 CMP riser and slide gate on WS. LS distribution box is silted in. 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Looks abandoned. CMP riser with slide gate on WS. Concrete distribution box on LS- full with silt. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, invert 12.8 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete box at the landside (LS) toe. (24-inch pipe [HLM 8.35] authorized under Automatic Board Order (ABO) issued as Permit No. 9529, 1974 - Dorwood Ranching Company). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.35)].
FS Date: 7/31/2019 8:24:00 AM

Photo 3 of 3 : UCIP_FA_2019_55547_47200.jpg



LS view: overview of concrete box

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.52	Rating **	M	Issue No.	211
LM End	8.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.249125 °	39.249125 °
				-121.999031 °	-121.999031 °
DWR ID	17295				

Comment Code

Inspector Comment

DS_ID:17295
FS_ID:55550
EP_NO: 9529
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record has been updated to from No Action Needed to Non-Urgent; internal inspection found some issues with the pipe. Pipe has been noted as abandoned since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)09/21/2017 Permit review indicates this 24-inch pipe was authorized as an irrigation and drainage pipe under ABO issued as Permit No. 9529, structure description was updated. Structure type logged as drainage. (DWR UCIP - O. Magana)
04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard-Afreitag)06/13/2016 Pipe was exposed and camera inspected by Nor-Cal Pipeline Services 10/29/2015. Photos of the exposed pipe ends were uploaded on 4/1/2015. The internal inspection showed some signs of rust but no visible holes or deterioration were found. After the inspection the pipe ends were capped and reburied.06/09/2016 Khalida Fazel of UCIP requests that any photos of the pipe when it was exposed for a video inspection be kindly uploaded here.04/04/2016 Proper abandonment of pipe is needed. Pipe has been buried again after it was dug up and video inspected, so was not visible on LS. Note that landowner has regraded LS slope so drainage is now to the east (toward LS).04/01/2015 Both WS and LS pipe ends have been dug up in preparation for an internal camera inspection. Pipe shows signs of heavy rust and both ends of pipe are plugged with soil.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Only a CMP riser with slide gate found on WS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch irrigation and drainage pipe through the levee, invert 11.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. (24-inch pipe [HLM 8.55] authorized under Automatic Board Order (ABO) issued as Permit No. 9529, 1974 - Dorwood Ranching Co.) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.55)]
FS Date: 7/31/2019 8:38:00 AM

Photo 1 of 3 : UCIP_FA_2019_55550_47208.jpg



WS view: overview of CMP riser

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.52	Rating **	M	Issue No.	211 (cont)
LM End	8.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.249125 °	39.249125 °
				-121.999031 °	-121.999031 °
DWR ID	17295				

Comment Code

Inspector Comment

DS_ID:17295
FS_ID:55550
EP_NO: 9529
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record has been updated to from No Action Needed to Non-Urgent; internal inspection found some issues with the pipe. Pipe has been noted as abandoned since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)09/21/2017 Permit review indicates this 24-inch pipe was authorized as an irrigation and drainage pipe under ABO issued as Permit No. 9529, structure description was updated. Structure type logged as drainage. (DWR UCIP - O. Magana)
04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was exposed and camera inspected by Nor-Cal Pipeline Services 10/29/2015. Photos of the exposed pipe ends were uploaded on 4/1/2015. The internal inspection showed some signs of rust but no visible holes or deterioration were found. After the inspection the pipe ends were capped and reburied.06/09/2016 Khalida Fazel of UCIP requests that any photos of the pipe when it was exposed for a video inspection be kindly uploaded here.04/04/2016 Proper abandonment of pipe is needed. Pipe has been buried again after it was dug up and video inspected, so was not visible on LS. Note that landowner has regraded LS slope so drainage is now to the east (toward LS).04/01/2015 Both WS and LS pipe ends have been dug up in preparation for an internal camera inspection. Pipe shows signs of heavy rust and both ends of pipe are plugged with soil.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Only a CMP riser with slide gate found on WS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch irrigation and drainage pipe through the levee, invert 11.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. (24-inch pipe [HLM 8.55] authorized under Automatic Board Order (ABO) issued as Permit No. 9529, 1974 - Dorwood Ranching Co.) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.55)]
FS Date: 7/31/2019 8:38:00 AM

Photo 2 of 3 : UCIP_FA_2019_55550_47207.jpg



LS view: overview (no pipes)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.52	Rating **	M	Issue No.	211 (cont)
LM End	8.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.249125 °	39.249125 °
				-121.999031 °	-121.999031 °
DWR ID	17295				

Comment Code

Inspector Comment

DS_ID:17295
FS_ID:55550
EP_NO: 9529
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record has been updated to from No Action Needed to Non-Urgent; internal inspection found some issues with the pipe. Pipe has been noted as abandoned since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)09/21/2017 Permit review indicates this 24-inch pipe was authorized as an irrigation and drainage pipe under ABO issued as Permit No. 9529, structure description was updated. Structure type logged as drainage. (DWR UCIP - O. Magana)
04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was exposed and camera inspected by Nor-Cal Pipeline Services 10/29/2015. Photos of the exposed pipe ends were uploaded on 4/1/2015. The internal inspection showed some signs of rust but no visible holes or deterioration were found. After the inspection the pipe ends were capped and reburied.06/09/2016 Khalida Fazel of UCIP requests that any photos of the pipe when it was exposed for a video inspection be kindly uploaded here.04/04/2016 Proper abandonment of pipe is needed. Pipe has been buried again after it was dug up and video inspected, so was not visible on LS. Note that landowner has regraded LS slope so drainage is now to the east (toward LS).04/01/2015 Both WS and LS pipe ends have been dug up in preparation for an internal camera inspection. Pipe shows signs of heavy rust and both ends of pipe are plugged with soil.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Only a CMP riser with slide gate found on WS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch irrigation and drainage pipe through the levee, invert 11.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. (24-inch pipe [HLM 8.55] authorized under Automatic Board Order (ABO) issued as Permit No. 9529, 1974 - Dorwood Ranching Co.) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.55)]
FS Date: 7/31/2019 8:38:00 AM

Photo 3 of 3 : UCIP_FA_2019_55550_73640.jpg



WS pipe end

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.56	Rating **	M	Issue No.	212
LM End	8.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.249678 °	39.249678 °
				-121.999021 °	-121.999021 °
DWR ID	17327				

Comment Code

Inspector Comment

DS_ID:17327
FS_ID:55552
EP_NO: 9528
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record has been updated to Non-Urgent; internal inspection found some issues with the pipe. Pipe has been noted as abandoned since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was internally cleaned and camera inspected by Nor-Cal Pipeline Services on 10-29-2015. Pipe length through levee is 75.1ft long. The inspection showed some signs of rust but no holes or other deterioration were found. Pics of exposed pipe ends were uploaded on 04/01/2015 After the inspection the pipe ends were capped and reburied.04/14/2016 Same as last inspection.04/01/2015 Both ends of pipe have been dug up in preparation for internal camera inspections. Pipe shows some rust but appears to be in decent shape. 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Only buried slide gate structure found. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS). (Automatic Board Order (ABO) issued as Permit No. 9528, 1974 - Lamb). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.59)].
FS Date: 7/31/2019 10:17:00 AM

Photo 1 of 3 : UCIP_FA_2019_55552_47210.jpg



WS view: overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.56	Rating **	M	Issue No.	212 (cont)
LM End	8.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.249678 °	39.249678 °
				-121.999021 °	-121.999021 °
DWR ID	17327				

Comment Code

Inspector Comment

DS_ID:17327
FS_ID:55552
EP_NO: 9528
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record has been updated to Non-Urgent; internal inspection found some issues with the pipe. Pipe has been noted as abandoned since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was internally cleaned and camera inspected by Nor-Cal Pipeline Services on 10-29-2015. Pipe length through levee is 75.1ft long. The inspection showed some signs of rust but no holes or other deterioration were found. Pics of exposed pipe ends were uploaded on 04/01/2015 After the inspection the pipe ends were capped and reburied.04/14/2016 Same as last inspection.04/01/2015 Both ends of pipe have been dug up in preparation for internal camera inspections. Pipe shows some rust but appears to be in decent shape. 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Only buried slide gate structure found. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS). (Automatic Board Order (ABO) issued as Permit No. 9528, 1974 - Lamb). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.59)].
FS Date: 7/31/2019 10:17:00 AM

Photo 2 of 3 : UCIP_FA_2019_55552_47209.jpg



WS view: buried slide gate

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.56	Rating **	M	Issue No.	212 (cont)	
LM End	8.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.249678 °	39.249678 °	
				-121.999021 °	-121.999021 °	
DWR ID	17327					
Comment Code						
Inspector Comment						
DS_ID:17327 FS_ID:55552 EP_NO: 9528 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record has been updated to Non-Urgent; internal inspection found some issues with the pipe. Pipe has been noted as abandoned since 2012. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was internally cleaned and camera inspected by Nor-Cal Pipeline Services on 10-29-2015. Pipe length through levee is 75.1ft long. The inspection showed some signs of rust but no holes or other deterioration were found. Pics of exposed pipe ends were uploaded on 04/01/2015 After the inspection the pipe ends were capped and reburied.04/14/2016 Same as last inspection.04/01/2015 Both ends of pipe have been dug up in preparation for internal camera inspections. Pipe shows some rust but appears to be in decent shape. 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/12/2012 Only buried slide gate structure found. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate on the waterside (WS). (Automatic Board Order (ABO) issued as Permit No. 9528, 1974 - Lamb). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 8.59)]. FS Date: 7/31/2019 10:17:00 AM						

Photo 3 of 3 : UCIP_FA_2019_55552_73649.jpg



WS pipe end

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	8.77	Rating **	C	Issue No.	119
LM End	8.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.252515°	39.252515°	
			-121.997678°	-121.997678°	
DWR ID	DWR_ST0003_01_s_2019_119				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	8.92	Rating **	N	Issue No.	92
LM End	8.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.254563°	39.254563°	
			-121.997493°	-121.997493°	
DWR ID	DWR_ST0003_01_f_2016_92				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	9.03	Rating **	N	Issue No.	91
LM End	9.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.256141°	39.256141°	
			-121.997785°	-121.997785°	
DWR ID	DWR_ST0003_01_f_2016_91				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	9.17	Rating **	N	Issue No.	90
LM End	9.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.257688 °	39.257688 °	
			-121.999331 °	-121.999331 °	
DWR ID	DWR_ST0003_01_f_2016_90				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	9.29	Rating **	C	Issue No.	121
LM End	9.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.258854 °	39.258854 °	
			-122.000705 °	-122.000705 °	
DWR ID	DWR_ST0003_01_s_2019_121				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The fallen tree should be removed from the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	9.37	Rating **	M	Issue No.	217
LM End	9.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.260034 °	39.260034 °
				-122.000970 °	-122.000970 °
DWR ID	17355				
Comment Code					
Inspector Comment					
DS_ID:17355 FS_ID:55554 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record has been updated to Non-Urgent; internal inspection found some issues with pipe. Pipe has been abandoned since 2012 (both inlet/outlet have been covered to avoid soil buildup inside). Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was internally cleaned and camera inspected on 10/30/2015 by Nor-Cal Pipeline Services. WS cap was removed and 100.6ft of pipe were inspected starting from the WS opening. Inspection revealed rusting but no visible holes or other deterioration were found. Pipe was recapped after the inspection. This pipe is always visible so no new photos were taken during the inspection.06/09/2016 Khalida Fazel of UCIP requests that any photos of the pipe when it was exposed for a video inspection be kindly uploaded here.04/01/2015 Pipe is in same condition. It has been selected for an internal camera inspection. New 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/11/2012 CMP pipe on WS capped with steel plate. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Slide gate on the landside (LS) headwall. Steel plate welded on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 9.4)]. FS Date: 7/31/2019 1:54:00 PM					

Photo 1 of 3 : UCIP_FA_2019_55554_47242.jpg



WS view: overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	9.37	Rating **	M	Issue No.	217 (cont)
LM End	9.37	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.260034 °	39.260034 °	
			-122.000970 °	-122.000970 °	
DWR ID	17355				

Comment Code

Inspector Comment

DS_ID:17355
FS_ID:55554
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record has been updated to Non-Urgent; internal inspection found some issues with pipe. Pipe has been abandoned since 2012 (both inlet/outlet have been covered to avoid soil buildup inside). Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was internally cleaned and camera inspected on 10/30/2015 by Nor-Cal Pipeline Services. WS cap was removed and 100.6ft of pipe were inspected starting from the WS opening. Inspection revealed rusting but no visible holes or other deterioration were found. Pipe was recapped after the inspection. This pipe is always visible so no new photos were taken during the inspection.06/09/2016 Khalida Fazel of UCIP requests that any photos of the pipe when it was exposed for a video inspection be kindly uploaded here.04/01/2015 Pipe is in same condition. It has been selected for an internal camera inspection. New 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/11/2012 CMP pipe on WS capped with steel plate. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Slide gate on the landside (LS) headwall. Steel plate welded on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 9.4)].
FS Date: 7/31/2019 1:54:00 PM

Photo 2 of 3 : UCIP_FA_2019_55554_47241.jpg



WS view: overview of CMP pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	9.37	Rating **	M	Issue No.	217 (cont)
LM End	9.37	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.260034 °	39.260034 °	
			-122.000970 °	-122.000970 °	
DWR ID	17355				

Comment Code

Inspector Comment

DS_ID:17355
FS_ID:55554
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/31/2019 Record has been updated to Non-Urgent; internal inspection found some issues with pipe. Pipe has been abandoned since 2012 (both inlet/outlet have been covered to avoid soil buildup inside). Record will remain in UCIP's list as part of future inspections until the pipe is properly removed or abandoned according to Title 23 requirements. Need to clarify ownership for this crossing. (O. Magana - DWR UCIP)04/19/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- Afreitag)10/31/2016 Abandoned. (DWR Sutter Yard- Afreitag)06/13/2016 Pipe was internally cleaned and camera inspected on 10/30/2015 by Nor-Cal Pipeline Services. WS cap was removed and 100.6ft of pipe were inspected starting from the WS opening. Inspection revealed rusting but no visible holes or other deterioration were found. Pipe was recapped after the inspection. This pipe is always visible so no new photos were taken during the inspection.06/09/2016 Khalida Fazel of UCIP requests that any photos of the pipe when it was exposed for a video inspection be kindly uploaded here.04/01/2015 Pipe is in same condition. It has been selected for an internal camera inspection. New 06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection.12/11/2012 CMP pipe on WS capped with steel plate. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Slide gate on the landside (LS) headwall. Steel plate welded on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 9.4)].
FS Date: 7/31/2019 1:54:00 PM

Photo 3 of 3 : UCIP_FA_2019_55554_47240.jpg



WS view: capped CMP pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	10.14	Rating **	C	Issue No.	123
LM End	10.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.269581°	39.269581°
				-121.997579°	-121.997579°
DWR ID	DWR_ST0003_01_s_2019_123				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	10.35	Rating **	M	Issue No.	220
LM End	10.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.270492 °	39.270492 °
				-122.001306 °	-122.001306 °
DWR ID	17358				
Comment Code					
Inspector Comment					
DS_ID:17358 FS_ID:55558 EP_NO: 9517 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record has been updated from No Action Needed to Non-Urgent; slide gate handle is still damage and CMP riser lid needs to be repaired. Recommend auditing this record to determine current owner for 48-inch pipe and to obtain maintenance records for ditch and pipes running along LS toe. (O. Magana - DWR UCIP)04/19/2017 No WS end found/ slide gate handle broken. (DWR Sutter Yard- Afreitag)10/31/2016 Slide gate handle is broken and no WS pipe end can be located. (DWR Sutter Yard- Afreitag)06/01/2016 WS slide gate handle is still broken. No WS pipe end was found.04/01/2015 Slide gate handle is still broken. The rest of the pipe appears in good condition. Broken slide gate handle found on WS.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection. FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Slide gate in a concrete distribution box on the landside (LS) toe. (48-inch pipe [HLM 10.39] authorized under Automatic Board Order (ABO) issued as Permit No. 9517, 1974 - Griffin). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 10.47)]. FS Date: 7/31/2019 1:55:00 PM					

LM Start	10.35	Rating **	M	Issue No.	220 (cont)
LM End	10.35	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_55558_47263.jpg



Crown view: overview (both sides of the levee)

Photo 2 of 3 : UCIP_FA_2019_55558_47262.jpg



WS view: overview of CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	10.35	Rating **	M	Issue No.	220 (cont)	
LM End	10.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.270492 °	39.270492 °	
				-122.001306 °	-122.001306 °	
DWR ID	17358					
Comment Code						
Inspector Comment						
DS_ID:17358 FS_ID:55558 EP_NO: 9517 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/31/2019 Record has been updated from No Action Needed to Non-Urgent; slide gate handle is still damage and CMP riser lid needs to be repaired. Recommend auditing this record to determine current owner for 48-inch pipe and to obtain maintenance records for ditch and pipes running along LS toe. (O. Magana - DWR UCIP)04/19/2017 No WS end found/ slide gate handle broken. (DWR Sutter Yard- Afreitag)10/31/2016 Slide gate handle is broken and no WS pipe end can be located. (DWR Sutter Yard- Afreitag)06/01/2016 WS slide gate handle is still broken. No WS pipe end was found.04/01/2015 Slide gate handle is still broken. The rest of the pipe appears in good condition. Broken slide gate handle found on WS.06/30/2014 Same as last inspection.12/18/2013 Same as last inspection.07/23/2013 Same as last inspection. FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Slide gate in a concrete distribution box on the landside (LS) toe. (48-inch pipe [HLM 10.39] authorized under Automatic Board Order (ABO) issued as Permit No. 9517, 1974 - Griffin). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 10.47)]. FS Date: 7/31/2019 1:55:00 PM						

Photo 3 of 3 : UCIP_FA_2019_55558_47268.jpg



WS view: inside CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	10.36	Rating **	M	Issue No.	5
LM End	10.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.270503 °	39.270503 °
				-122.001339 °	-122.001339 °
DWR ID	DWR_ST0003_01_s_2012_5				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	11.53	Rating **	A/W	Issue No.	8
LM End	11.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.279910 °	39.283853 °
				-122.018221 °	-122.016113 °
DWR ID	DWR_ST0003_01_f_2018_8				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 152.6 L					
Status: Eroding					
2017 Field Notes: Access Issues - Could not observe					
Site History: 2008 - Large rotational/mass failure in the bank with tree slump. 2009 - Minimal new erosion, the tree is leaning further into the river. 2011 - Site extended downstream. 2012 - Minor new erosion and tree roots are further exposed.					

Photo 1 of 1 : FA_2019_ST0003_264_8_20190822_00005.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	11.85	Rating **	A/W	Issue No.	13
LM End	11.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.284568 °	39.285298 °
				-122.015690 °	-122.015208 °
DWR ID	DWR_ST0003_01_f_2018_13				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 152.8 L					
Status: Eroding					
2017 Field Notes: Minor new erosion observed.					
Site History: 2006 - Large rotational/mass failure in the bank with tree slump. Tough clayey toe material. 2007 - Site is between stone revetments with a pump station at the downstream end. 2010 - Erosion is into the levee toe. 2011 - Minor new erosion. 2012 - Minor new erosion.					

Photo 1 of 1 : FA_2019_ST0003_264_13_20190822_00008.jpg



USACE 2013 Photo #1

LM Start	12.19	Rating **	M	Issue No.	155
LM End	12.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.289146 °	39.293801 °
				-122.013908 °	-122.013580 °
DWR ID	DWR_ST0003_01_f_2019_155				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	13.38	Rating **	M	Issue No.	234
LM End	13.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.306065 °	39.306065 °
				-122.013112 °	-122.013112 °
DWR ID	17340				

Comment Code

Inspector Comment

DS_ID:17340
FS_ID:55576
EP_NO: 9511
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/01/2019 Crossing remains Non-Urgent; internal inspection shows issues associated with crossing (refer to internal inspection report), pipe has been abandoned, and ABO issued as permit number 9511. Recommend auditing this record to determine current owner and if crossing is no longer in use, the pipe will need to be removed or abandoned per Title 23. Board has been placed on WS outlet to prevent sediment buildup. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done properly. A oak tree has fallen down onto the WS pipe end. It does not appear to have damaged the pipe but it will need to be better inspected after the tree has been cleared away. (DWR Sutter Yard- A Freitag)10/31/2016 Abandoned. (DWR Sutter Yard- A Freitag)06/14/2016 Pipe was internally cleaned and camera inspected on 11/6/2015 by Nor-Cal Pipeline Services. The 48" cmp pipe section that runs through the levee was deemed to be in good condition. After the LS levee toe the pipe changes to a 48" concrete box culvert for under the roadway and that showed signs of some cracking. After the inspection the WS end was capped to keep sediment out until further abandonment can be achieved.04/16/2016 A wooden board has been placed on WS outlet of pipe to prevent sediment from entering pipe. This is a temporary repair measure by Sutter Yard until pipe can be grouted. Need to contact owner to ensure pipe's proper abandonment. Blockage of pipe outlet by wooden board or sediment will pose a hazard during high water. Pipe owner unclear, as landowner differs on LS and WS.04/02/2015 Pipe has been selected for internal camera inspection.Outlet pipe silted on WS. Inlet structure damaged on LS. Not properly abandoned.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/23/2013 Same as last inspection.
FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Landside (LS) end of pipe on east side of River Road. Pipe is not in use but is operable. (48-inch pipe [HLM 13.37] authorized under Permit No. 9511, 1974 - Moresco). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 13.37)].
FS Date: 8/1/2019 1:50:00 PM

Photo 1 of 3 : UCIP_FA_2019_55576_47343.jpg



WS view: CMP riser with slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	13.38	Rating **	M	Issue No.	234 (cont)
LM End	13.38	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.306065°	39.306065°	
			-122.013112°	-122.013112°	
DWR ID	17340				

Comment Code

Inspector Comment

DS_ID:17340
FS_ID:55576
EP_NO: 9511
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/01/2019 Crossing remains Non-Urgent; internal inspection shows issues associated with crossing (refer to internal inspection report), pipe has been abandoned, and ABO issued as permit number 9511. Recommend auditing this record to determine current owner and if crossing is no longer in use, the pipe will need to be removed or abandoned per Title 23. Board has been placed on WS outlet to prevent sediment buildup. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done properly. A oak tree has fallen down onto the WS pipe end. It does not appear to have damaged the pipe but it will need to be better inspected after the tree has been cleared away. (DWR Sutter Yard- AFreitag)10/31/2016 Abandoned. (DWR Sutter Yard- AFreitag)06/14/2016 Pipe was internally cleaned and camera inspected on 11/6/2015 by Nor-Cal Pipeline Services. The 48" cmp pipe section that runs through the levee was deemed to be in good condition. After the LS levee toe the pipe changes to a 48" concrete box culvert for under the roadway and that showed signs of some cracking. After the inspection the WS end was capped to keep sediment out until further abandonment can be achieved.04/16/2016 A wooden board has been placed on WS outlet of pipe to prevent sediment from entering pipe. This is a temporary repair measure by Sutter Yard until pipe can be grouted. Need to contact owner to ensure pipe's proper abandonment. Blockage of pipe outlet by wooden board or sediment will pose a hazard during high water. Pipe owner unclear, as landowner differs on LS and WS.04/02/2015 Pipe has been selected for internal camera inspection.Outlet pipe silted on WS. Inlet structure damaged on LS. Not properly abandoned.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/23/2013 Same as last inspection.
FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Landside (LS) end of pipe on east side of River Road. Pipe is not in use but is operable. (48-inch pipe [HLM 13.37] authorized under Permit No. 9511, 1974 - Moresco). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 13.37)].
FS Date: 8/1/2019 1:50:00 PM

Photo 2 of 3 : UCIP_FA_2019_55576_47342.jpg



WS view: overview of CMP riser and outlet pipe

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	13.38	Rating **	M	Issue No.	234 (cont)	
LM End	13.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.306065 °		39.306065 °
				-122.013112 °		-122.013112 °
DWR ID	17340					

Comment Code

Inspector Comment

DS_ID:17340
FS_ID:55576
EP_NO: 9511
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/01/2019 Crossing remains Non-Urgent; internal inspection shows issues associated with crossing (refer to internal inspection report), pipe has been abandoned, and ABO issued as permit number 9511. Recommend auditing this record to determine current owner and if crossing is no longer in use, the pipe will need to be removed or abandoned per Title 23. Board has been placed on WS outlet to prevent sediment buildup. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done properly. A oak tree has fallen down onto the WS pipe end. It does not appear to have damaged the pipe but it will need to be better inspected after the tree has been cleared away. (DWR Sutter Yard- AFreitag)10/31/2016 Abandoned. (DWR Sutter Yard- AFreitag)06/14/2016 Pipe was internally cleaned and camera inspected on 11/6/2015 by Nor-Cal Pipeline Services. The 48" cmp pipe section that runs through the levee was deemed to be in good condition. After the LS levee toe the pipe changes to a 48" concrete box culvert for under the roadway and that showed signs of some cracking. After the inspection the WS end was capped to keep sediment out until further abandonment can be achieved.04/16/2016 A wooden board has been placed on WS outlet of pipe to prevent sediment from entering pipe. This is a temporary repair measure by Sutter Yard until pipe can be grouted. Need to contact owner to ensure pipe's proper abandonment. Blockage of pipe outlet by wooden board or sediment will pose a hazard during high water. Pipe owner unclear, as landowner differs on LS and WS.04/02/2015 Pipe has been selected for internal camera inspection.Outlet pipe silted on WS. Inlet structure damaged on LS. Not properly abandoned.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/23/2013 Same as last inspection.
FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Landside (LS) end of pipe on east side of River Road. Pipe is not in use but is operable. (48-inch pipe [HLM 13.37] authorized under Permit No. 9511, 1974 - Moresco). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 13.37)].
FS Date: 8/1/2019 1:50:00 PM

Photo 3 of 3 : UCIP_FA_2019_55576_47341.jpg



WS view: silted concrete lined CMP outlet pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	13.43	Rating **	C	Issue No.	75
LM End	13.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.306919°	39.306919°	
			-122.013076°	-122.013076°	
DWR ID	DWR_ST0003_01_f_2016_75				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	14.50	Rating **	M	Issue No.	237
LM End	14.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.321429 °	39.321429 °
				-122.016079 °	-122.016079 °
DWR ID	17330				
Comment Code					
Inspector Comment					
DS_ID:17330 FS_ID:55579 EP_NO: 9508 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/01/2019 Crossing has been updated from No Action Need to Non-Urgent, crossing has been abandoned. The WS pipe end has not been found. Recommend auditing this record to confirm current owner associated with ABO issued as permit number 9508. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)10/31/2016 Appears abandoned. WS pipe end buried. (DWR Sutter Yard- AFreitag)06/14/2016 Pipe was internally cleaned and camera inspected on 11/17/2015 by Nor-Cal Pipeline Services. Pipe section through levee is 86ft long and showed some signs of rusting but no visible holes or other deterioration was found. After the inspection the WS end was capped and reburied until further abandonment can be achieved.04/14/2016 Concrete box on LS cleared of sediment.04/02/2015 Same as last inspection. Concrete box on LS silted in. If abandoned it should be done so properly.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/23/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete distribution box on the landside (LS). (24-inch pipe [HLM 14.5] authorized under Automatic Board Order (ABO) issued as Permit No. 9508, 1974 - Jones). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 14.5)]. FS Date: 8/1/2019 1:52:00 PM					

Photo 1 of 3 : UCIP_FA_2019_55579_47356.jpg



WS view: CMP riser with slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	14.50	Rating **	M	Issue No.	237 (cont)
LM End	14.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.321429°	39.321429°	
			-122.016079°	-122.016079°	
DWR ID	17330				

Comment Code

Inspector Comment

DS_ID:17330
 FS_ID:55579
 EP_NO: 9508
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 08/01/2019 Crossing has been updated from No Action Need to Non-Urgent, crossing has been abandoned. The WS pipe end has not been found. Recommend auditing this record to confirm current owner associated with ABO issued as permit number 9508. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)10/31/2016 Appears abandoned. WS pipe end buried. (DWR Sutter Yard- AFreitag)06/14/2016 Pipe was internally cleaned and camera inspected on 11/17/2015 by Nor-Cal Pipeline Services. Pipe section through levee is 86ft long and showed some signs of rusting but no visible holes or other deterioration was found. After the inspection the WS end was capped and reburied until further abandonment can be achieved.04/14/2016 Concrete box on LS cleared of sediment.04/02/2015 Same as last inspection. Concrete box on LS silted in. If abandoned it should be done so properly.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/23/2013 Same as last inspection.
 FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete distribution box on the landside (LS). (24-inch pipe [HLM 14.5] authorized under Automatic Board Order (ABO) issued as Permit No. 9508, 1974 - Jones). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 14.5)].
 FS Date: 8/1/2019 1:52:00 PM

Photo 2 of 3 : UCIP_FA_2019_55579_47361.jpg



WS view: levee mile marker

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	14.50	Rating **	M	Issue No.	237 (cont)	
LM End	14.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.321429°	39.321429°	
				-122.016079°	-122.016079°	
DWR ID	17330					
Comment Code						
Inspector Comment						
DS_ID:17330 FS_ID:55579 EP_NO: 9508 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/01/2019 Crossing has been updated from No Action Need to Non-Urgent, crossing has been abandoned. The WS pipe end has not been found. Recommend auditing this record to confirm current owner associated with ABO issued as permit number 9508. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)10/31/2016 Appears abandoned. WS pipe end buried. (DWR Sutter Yard- AFreitag)06/14/2016 Pipe was internally cleaned and camera inspected on 11/17/2015 by Nor-Cal Pipeline Services. Pipe section through levee is 86ft long and showed some signs of rusting but no visible holes or other deterioration was found. After the inspection the WS end was capped and reburied until further abandonment can be achieved.04/14/2016 Concrete box on LS cleared of sediment.04/02/2015 Same as last inspection. Concrete box on LS silted in. If abandoned it should be done so properly.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/23/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete distribution box on the landside (LS). (24-inch pipe [HLM 14.5] authorized under Automatic Board Order (ABO) issued as Permit No. 9508, 1974 - Jones). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 14.5)]. FS Date: 8/1/2019 1:52:00 PM						

Photo 3 of 3 : UCIP_FA_2019_55579_47360.jpg



LS view: overview of distribution box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	14.98	Rating **	C	Issue No.	124
LM End	14.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.328222°	39.328222°	
			-122.016572°	-122.016572°	
DWR ID	DWR_ST0003_01_s_2019_124				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	15.04	Rating **	M	Issue No.	157
LM End	15.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.328986°	39.328986°	
			-122.017095°	-122.017095°	
DWR ID	DWR_ST0003_01_f_2019_157				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	16.30	Rating **	M	Issue No.	244
LM End	16.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.344177°	39.344177°
				-122.024300°	-122.024300°
DWR ID	17337				

Comment Code

Inspector Comment

DS_ID:17337
FS_ID:55591
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/05/2019 Crossing remains Non-Urgent, pipe remains abandoned. No permit has been found authorizing pipe. Internal inspection was completed in 2015; refer to internal inspection report and notes recorded during 06-15-16 inspection. Internal inspection report only noted a sag in the pipe at about 33.5 feet from LS going to WS. Pipe was opened for internal inspection but inlet/outlet were closed/buried again. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)11/01/2016 Abandoned. Pipe is buried and not visible but a white marker on WS shoulder shows its location. (DWR Sutter Yard- AFreitag)06/15/2016 Pipe was dug up and internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. Pipe section through the levee is 88ft long and showed signs of rusting but no holes or other deterioration was found. The WS flap gate was broken during excavation but doesn't pose an issue as the pipe was capped and reburied until further abandonment can be achieved. Unfortunately the pipe was not photographed when exposed.04/14/2016 Same as last inspection.04/02/2015 Unable to locate. Pipe has been selected to be dug up and internally camera inspected.07/02/2014 Unable to locate.12/19/2013 Unable to locate07/23/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Metal flap gate on the waterside (WS) silted over. Brick "U" shaped headwall on the WS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 16.29)].
FS Date: 8/5/2019 2:23:00 PM

Photo 1 of 3 : UCIP_FA_2019_55591_75096.jpg



View from crown down WS slope at location of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	16.30	Rating **	M	Issue No.	244 (cont)
LM End	16.30	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.344177°	39.344177°	
			-122.024300°	-122.024300°	
DWR ID	17337				

Comment Code

Inspector Comment

DS_ID:17337
FS_ID:55591
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/05/2019 Crossing remains Non-Urgent, pipe remains abandoned. No permit has been found authorizing pipe. Internal inspection was completed in 2015; refer to internal inspection report and notes recorded during 06-15-16 inspection. Internal inspection report only noted a sag in the pipe at about 33.5 feet from LS going to WS. Pipe was opened for internal inspection but inlet/outlet were closed/buried again. Recommend LMA prepare a contingency plan for increased inspections during high-water to identify any pipe integrity or levee integrity issues that might arise with abandoned pipe. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)11/01/2016 Abandoned. Pipe is buried and not visible but a white marker on WS shoulder shows its location. (DWR Sutter Yard- AFreitag)06/15/2016 Pipe was dug up and internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. Pipe section through the levee is 88ft long and showed signs of rusting but no holes or other deterioration was found. The WS flap gate was broken during excavation but doesn't pose an issue as the pipe was capped and reburied until further abandonment can be achieved. Unfortunately the pipe was not photographed when exposed.04/14/2016 Same as last inspection.04/02/2015 Unable to locate. Pipe has been selected to be dug up and internally camera inspected.07/02/2014 Unable to locate.12/19/2013 Unable to locate.07/23/2013 Same as last inspection. Unable to locate. FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Metal flap gate on the waterside (WS) silted over. Brick "U" shaped headwall on the WS toe. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 16.29)].
FS Date: 8/5/2019 2:23:00 PM

Photo 2 of 3 : UCIP_FA_2019_55591_75097.jpg



View of LS from crown at location of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	16.41	Rating **	C	Issue No.	127
LM End	16.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.345510 °	39.345510 °	
			-122.023052 °	-122.023052 °	
DWR ID	DWR_ST0003_01_f_2019_127				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Small animal burrows are no longer present. Burrows were backfilled during the dragging of the slope.					

No Photos

LM Start	16.56	Rating **	M	Issue No.	158
LM End	16.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.347119 °	39.347119 °	
			-122.021241 °	-122.021241 °	
DWR ID	DWR_ST0003_01_f_2019_158				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The fallen tree should be removed from the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	17.58	Rating **	U	Issue No.	247
LM End	17.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.353531 °	39.353531 °
				-122.009138 °	-122.009138 °
DWR ID	17329				
Comment Code					
Inspector Comment					
DS_ID:17329 FS_ID:55599 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been updated from Non-Urgent to Urgent due to leak observed in 2017 during high water. The appears to be a leak that could be caused by the screw gate not fully closed allowing water from the WS to LS. No permit has been found authorizing the crossing. If crossing is no longer in use, owner will need to remove or abandon properly per Title 23 requirements. Slide gate width measures 36 inches and not the 24 inches that is needed for the 24-inch pipe. (O. Magana - DWR UCIP)04/20/2017 Abandoned-needs to be done properly. Pipe had a small leak during high water and is believed to be caused by the screw gate not being fully closed before it was reburied after its internal inspection. (DWR Sutter Yard-AFreitag)11/01/2016 Abandoned. (DWR Sutter Yard-AFreitag)06/15/2016 Pipe was dug up and internally cleaned and camera inspected on 11/18/2015 by Nor-Cal Pipeline Services. Pipe section through levee is about 93.8ft long. Inspection showed signs of rusting but no holes or other deterioration was found. WS end and slide gate were photographed, LS end was not. After the inspection pipe ends were capped and reburied until further abandonment can be achieved.04/02/2015 WS pipe end was dug up in preparation for internal camera inspection. Only steel slide gate structure found on waterside.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 15.8 feet below the crown. Slide gate on the waterside (WS) end. Both pipe ends are silted over. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 17.6)]. FS Date: 8/5/2019 2:29:00 PM					

Photo 1 of 3 : UCIP_FA_2019_55599_47384.jpg



LS view: overview. No pipe found.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	17.58	Rating **	U	Issue No.	247 (cont)	
LM End	17.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.353531 °	39.353531 °	
				-122.009138 °	-122.009138 °	
DWR ID	17329					
Comment Code						
Inspector Comment						
DS_ID:17329 FS_ID:55599 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been updated from Non-Urgent to Urgent due to leak observed in 2017 during high water. The appears to be a leak that could be caused by the screw gate not fully closed allowing water from the WS to LS. No permit has been found authorizing the crossing. If crossing is no longer in use, owner will need to remove or abandon properly per Title 23 requirements. Slide gate width measures 36 inches and not the 24 inches that is needed for the 24-inch pipe. (O. Magana - DWR UCIP)04/20/2017 Abandoned-needs to be done properly. Pipe had a small leak during high water and is believed to be caused by the screw gate not being fully closed before it was reburied after its internal inspection. (DWR Sutter Yard-AFreitag)11/01/2016 Abandoned. (DWR Sutter Yard-AFreitag)06/15/2016 Pipe was dug up and internally cleaned and camera inspected on 11/18/2015 by Nor-Cal Pipeline Services. Pipe section through levee is about 93.8ft long. Inspection showed signs of rusting but no holes or other deterioration was found. WS end and slide gate were photographed, LS end was not. After the inspection pipe ends were capped and reburied until further abandonment can be achieved.04/02/2015 WS pipe end was dug up in preparation for internal camera inspection. Only steel slide gate structure found on waterside.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 15.8 feet below the crown. Slide gate on the waterside (WS) end. Both pipe ends are silted over. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 17.6)]. FS Date: 8/5/2019 2:29:00 PM						

Photo 2 of 3 : UCIP_FA_2019_55599_47386.jpg



WS view: slide gate steel structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	17.58	Rating **	U	Issue No.	247 (cont)	
LM End	17.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.353531 °	39.353531 °	
				-122.009138 °	-122.009138 °	
DWR ID	17329					
Comment Code						
Inspector Comment						
DS_ID:17329 FS_ID:55599 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been updated from Non-Urgent to Urgent due to leak observed in 2017 during high water. The appears to be a leak that could be caused by the screw gate not fully closed allowing water from the WS to LS. No permit has been found authorizing the crossing. If crossing is no longer in use, owner will need to remove or abandon properly per Title 23 requirements. Slide gate width measures 36 inches and not the 24 inches that is needed for the 24-inch pipe. (O. Magana - DWR UCIP)04/20/2017 Abandoned-needs to be done properly. Pipe had a small leak during high water and is believed to be caused by the screw gate not being fully closed before it was reburied after its internal inspection. (DWR Sutter Yard-AFreitag)11/01/2016 Abandoned. (DWR Sutter Yard-AFreitag)06/15/2016 Pipe was dug up and internally cleaned and camera inspected on 11/18/2015 by Nor-Cal Pipeline Services. Pipe section through levee is about 93.8ft long. Inspection showed signs of rusting but no holes or other deterioration was found. WS end and slide gate were photographed, LS end was not. After the inspection pipe ends were capped and reburied until further abandonment can be achieved.04/02/2015 WS pipe end was dug up in preparation for internal camera inspection. Only steel slide gate structure found on waterside.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 15.8 feet below the crown. Slide gate on the waterside (WS) end. Both pipe ends are silted over. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 17.6)]. FS Date: 8/5/2019 2:29:00 PM						

Photo 3 of 3 : UCIP_FA_2019_55599_47385.jpg



WS view: burried slide gate

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	18.61	Rating **	M	Issue No.	255
LM End	18.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.362866 °	39.362866 °
				-121.997993 °	-121.997993 °
DWR ID	17345				
Comment Code					
Inspector Comment					
DS_ID:17345 FS_ID:55610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been upgraded from No Action Needed to Non-Urgent; no permit has been identified for this crossing. Need to contact owner to determine primary use of pipe through the levee. Need to establish who own this crossing. (O. Magana - DWR UCIP)04/20/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/01/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)06/16/2016 Pipe was internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. Pipe is 155ft in total length and the inspection showed some minor rusting but no holes or other deformations were found. Pipe is still used by the landowner for irrigation and the sloughing near the WS end was repaired and rocked to prevent future sloughing or erosion.04/14/2016 Sloughing repaired by Sutter Yard with rock revetment.04/02/2015 Same as last inspection. Pipe has been selected for internal camera inspection.Sloughing at outlet and levee slope is damaged due to sloughing.07/02/2014 It is not an abandoned crossing. Sloughing at outlet and levee slope is damaged due to sloughing.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 20 feet below the crown. Slide gate at the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 18.65)]. FS Date: 8/5/2019 2:43:00 PM					

Photo 1 of 3 : UCIP_FA_2019_55610_47399.jpg



WS view: overview of sliding gate structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	18.61	Rating **	M	Issue No.	255 (cont)	
LM End	18.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.362866 °		39.362866 °
				-121.997993 °		-121.997993 °
DWR ID	17345					
Comment Code						
Inspector Comment						
DS_ID:17345 FS_ID:55610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been upgraded from No Action Needed to Non-Urgent; no permit has been identified for this crossing. Need to contact owner to determine primary use of pipe through the levee. Need to establish who own this crossing. (O. Magana - DWR UCIP)04/20/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/01/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)06/16/2016 Pipe was internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. Pipe is 155ft in total length and the inspection showed some minor rusting but no holes or other deformations were found. Pipe is still used by the landowner for irrigation and the sloughing near the WS end was repaired and rocked to prevent future sloughing or erosion.04/14/2016 Sloughing repaired by Sutter Yard with rock revetment.04/02/2015 Same as last inspection. Pipe has been selected for internal camera inspection.Sloughing at outlet and levee slope is damaged due to sloughing.07/02/2014 It is not an abandoned crossing. Sloughing at outlet and levee slope is damaged due to sloughing.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 20 feet below the crown. Slide gate at the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 18.65)]. FS Date: 8/5/2019 2:43:00 PM						

Photo 2 of 3 : UCIP_FA_2019_55610_47398.jpg



WS view: outlet pipe with concrete headwall and floor apron.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	18.61	Rating **	M	Issue No.	255 (cont)	
LM End	18.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.362866 °	39.362866 °	
				-121.997993 °	-121.997993 °	
DWR ID	17345					
Comment Code						
Inspector Comment						
DS_ID:17345 FS_ID:55610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been upgraded from No Action Needed to Non-Urgent; no permit has been identified for this crossing. Need to contact owner to determine primary use of pipe through the levee. Need to establish who own this crossing. (O. Magana - DWR UCIP)04/20/2017 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)11/01/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)06/16/2016 Pipe was internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. Pipe is 155ft in total length and the inspection showed some minor rusting but no holes or other deformations were found. Pipe is still used by the landowner for irrigation and the sloughing near the WS end was repaired and rocked to prevent future sloughing or erosion.04/14/2016 Sloughing repaired by Sutter Yard with rock revetment.04/02/2015 Same as last inspection. Pipe has been selected for internal camera inspection.Sloughing at outlet and levee slope is damaged due to sloughing.07/02/2014 It is not an abandoned crossing. Sloughing at outlet and levee slope is damaged due to sloughing.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 20 feet below the crown. Slide gate at the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 18.65)]. FS Date: 8/5/2019 2:43:00 PM						

Photo 3 of 3 : UCIP_FA_2019_55610_47403.jpg



WS view: sloughing at outlet pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	18.70	Rating **	M	Issue No.	256							
LM End	18.70	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		39.364067 °	39.364067 °								
			-121.997792 °	-121.997792 °								
DWR ID	17346											
Comment Code												
Inspector Comment												
DS_ID:17346 FS_ID:55611 EP_NO: 9503 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been updated from No Action Needed to Non-Urgent, pipe has been modified from original use. An 8-inch pipe has been sleeved through the 24-inch pipe and gap between pipes pressure grouted with cement. Need to audit record to confirm if ABO issued as permit number 9503 authorizes current owner and the modifications made to this crossing are allowed under this ABO. (O. Magana - DWR UCIP)04/20/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/01/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)06/16/2016 Pipe was internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. 129.5 ft (starting from the WS end) was inspected to get get us through the levee prism but the LS end was never found. Pipe showed no signs of rust or damage.04/14/2016 Inlet structure still filled with soil.04/02/2015 Same as last inspection. Pipe has been selected for internal camera inspection.According to local people, the crossing is functional. The gap between 8-inch and 24-inch pipes is grouted with cement. Inlet structure is filled with soil.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. 8-inch steel pipe sleeved through the 24-inch pipe. Annular space cement grouted. Slide gate at the waterside (WS) toe. Concrete inlet box on the landside (LS). (24-inch pipe [HLM 18.74] authorized under Automatic Board Order (ABO) issued as Permit No. 9503, 1974 - Baird). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 18.74)]. FS Date: 8/5/2019 2:54:00 PM												

Photo 1 of 3 : UCIP_FA_2019_55611_47442.jpg



WS view: overview of slide gate structure

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	18.70	Rating **	M	Issue No.	256 (cont)
LM End	18.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.364067 °	39.364067 °
				-121.997792 °	-121.997792 °
DWR ID	17346				

Comment Code

Inspector Comment

DS_ID:17346
FS_ID:55611
EP_NO: 9503
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/05/2019 Crossing has been updated from No Action Needed to Non-Urgent, pipe has been modified from original use. An 8-inch pipe has been sleeved through the 24-inch pipe and gap between pipes pressure grouted with cement. Need to audit record to confirm if ABO issued as permit number 9503 authorizes current owner and the modifications made to this crossing are allowed under this ABO. (O. Magana - DWR UCIP)04/20/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/01/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)06/16/2016 Pipe was internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. 129.5 ft (starting from the WS end) was inspected to get get us through the levee prism but the LS end was never found. Pipe showed no signs of rust or damage.04/14/2016 Inlet structure still filled with soil.04/02/2015 Same as last inspection. Pipe has been selected for internal camera inspection.According to local people, the crossing is functional. The gap between 8-inch and 24-inch pipes is grouted with cement. Inlet structure is filled with soil.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. 8-inch steel pipe sleeved through the 24-inch pipe. Annular space cement grouted. Slide gate at the waterside (WS) toe. Concrete inlet box on the landside (LS). (24-inch pipe [HLM 18.74] authorized under Automatic Board Order (ABO) issued as Permit No. 9503, 1974 - Baird). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 18.74)].
FS Date: 8/5/2019 2:54:00 PM

Photo 2 of 3 : UCIP_FA_2019_55611_47441.jpg



WS view: 8-inch pipe inside 24-inch CMP

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	18.70	Rating **	M	Issue No.	256 (cont)
LM End	18.70	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.364067 °	39.364067 °	
			-121.997792 °	-121.997792 °	
DWR ID	17346				

Comment Code

Inspector Comment

DS_ID:17346
FS_ID:55611
EP_NO: 9503
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/05/2019 Crossing has been updated from No Action Needed to Non-Urgent, pipe has been modified from original use. An 8-inch pipe has been sleeved through the 24-inch pipe and gap between pipes pressure grouted with cement. Need to audit record to confirm if ABO issued as permit number 9503 authorizes current owner and the modifications made to this crossing are allowed under this ABO. (O. Magana - DWR UCIP)04/20/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/01/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)06/16/2016 Pipe was internally cleaned and camera inspected on 11/19/2015 by Nor-Cal Pipeline Services. 129.5 ft (starting from the WS end) was inspected to get get us through the levee prism but the LS end was never found. Pipe showed no signs of rust or damage.04/14/2016 Inlet structure still filled with soil.04/02/2015 Same as last inspection. Pipe has been selected for internal camera inspection.According to local people, the crossing is functional. The gap between 8-inch and 24-inch pipes is grouted with cement. Inlet structure is filled with soil.07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. 8-inch steel pipe sleeved through the 24-inch pipe. Annular space cement grouted. Slide gate at the waterside (WS) toe. Concrete inlet box on the landside (LS). (24-inch pipe [HLM 18.74] authorized under Automatic Board Order (ABO) issued as Permit No. 9503, 1974 - Baird). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 18.74)].
FS Date: 8/5/2019 2:54:00 PM

Photo 3 of 3 : UCIP_FA_2019_55611_47440.jpg



WS view: 8-inch pipe and drain gate

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

Sutter Maintenance Yard East Levee Sacramento River

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	19.19	Rating **	M	Issue No.	257 (cont)	
LM End	19.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.370031 °	39.370031 °	
				-121.996458 °	-121.996458 °	
DWR ID	17347					
Comment Code						
Inspector Comment						
DS_ID:17347 FS_ID:55616 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been updated from No Action Needed to Non-Urgent due to missing records indicating extent of grout plug through pipe. Only slide gate is visible on the WS. No permit has been identified for this crossing. Need to contact owner to abandon or remove pipe properly according to Title 23 requirements. (O. Magana - DWR UCIP)04/20/2017 Abandoned- plugged. (DWR Sutter Yard- A Freitag)11/01/2016 Abandoned/plugged. (DWR Sutter Yard- A Freitag)06/16/2016 Internal camera inspection was done on 11/19/2015 by Nor-Cal Pipeline Services. Pipe was inspected starting from the WS end and inspected up to the grout plug that is 13.7ft into the pipe. Pipe was then capped and reburied until further abandonment can be achieved.04/02/2015 WS end of pipe was dug up in preparation for internal camera inspection. 07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection.12/11/2012 Only steel slide gate structure found on WS. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 21.7 feet below the crown. Slide gate at the waterside (WS) toe. Pipe grouted on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960 (HLM 19.24)]. FS Date: 8/5/2019 3:00:00 PM						

Photo 3 of 3 : UCIP_FA_2019_55616_73781.jpg



WS pipe end and screw gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	19.55	Rating **	U	Issue No.	258	
LM End	19.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.375221°	39.375221°	
				-121.995878°	-121.995878°	
DWR ID	17487					
Comment Code						
Inspector Comment						
DS_ID:17487 FS_ID:56037 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been upgraded from Non-Urgent to Urgent due to photos taken in 2012 that show deteriorated pipe on the WS. Unable to complete thorough inspection due to dense vegetation on the WS. No permit has been identified authorizing crossing. Crossing has been abandoned, if crossing is no longer used owner will need to coordinate with the CVFPB to remove or abandon according to Title 23 requirements. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- A Freitag)11/01/2016 Abandoned.(DWR Sutter Yard- A Freitag)06/03/2016 Abandoned crossing.04/02/2015 Same as last inspection. 07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection.12/11/2012 Slide Gate WS not found. An abandoned pump and steel pipe found on WS. A 6 ft x 8 ft concrete distribution box with a CMP found on LS. Box filled with soil. An abandoned crossing. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, invert 21.7 feet below the crown. Abandoned pump and steel pipe found on the waterside (WS). 6 foot by 8 foot concrete distribution box with the 36-inch corrugated metal pipe found on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 136, March 1960 (HLM 19.61)]. FS Date: 8/5/2019 3:07:00 PM						

Photo 1 of 3 : UCIP_FA_2019_56037_47449.jpg



WS view: overview

LM Start	19.55	Rating **	U	Issue No.	258 (cont)
LM End	19.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_56037_47448.jpg



WS view: abandoned and ruined pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	10/16/2019 10/16/2019	Makar Sokol

LM Start	19.55	Rating **	U	Issue No.	258 (cont)	
LM End	19.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.375221°	39.375221°	
				-121.995878°	-121.995878°	
DWR ID	17487					
Comment Code						
Inspector Comment						
DS_ID:17487 FS_ID:56037 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 08/05/2019 Crossing has been upgraded from Non-Urgent to Urgent due to photos taken in 2012 that show deteriorated pipe on the WS. Unable to complete thorough inspection due to dense vegetation on the WS. No permit has been identified authorizing crossing. Crossing has been abandoned, if crossing is no longer used owner will need to coordinate with the CVFPB to remove or abandon according to Title 23 requirements. (O. Magana - DWR UCIP)04/20/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- A Freitag)11/01/2016 Abandoned.(DWR Sutter Yard- A Freitag)06/03/2016 Abandoned crossing.04/02/2015 Same as last inspection. 07/02/2014 Same as last inspection.12/19/2013 Same as last inspection.07/24/2013 Same as last inspection.12/11/2012 Slide Gate WS not found. An abandoned pump and steel pipe found on WS. A 6 ft x 8 ft concrete distribution box with a CMP found on LS. Box filled with soil. An abandoned crossing. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, invert 21.7 feet below the crown. Abandoned pump and steel pipe found on the waterside (WS). 6 foot by 8 foot concrete distribution box with the 36-inch corrugated metal pipe found on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 136, March 1960 (HLM 19.61)]. FS Date: 8/5/2019 3:07:00 PM						

Photo 3 of 3 : UCIP_FA_2019_56037_47453.jpg



WS view: abandoned and ruined pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Colusa Bypass	Right	2.20	10/15/2019 10/15/2019	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.232058 °	39.232058 °
				-121.995514 °	-121.995514 °
DWR ID	DWR_ST0003_02_s_2012_1				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.45	Rating **	M	Issue No.	6
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.231407 °	39.231410 °
				-121.987615 °	-121.986825 °
DWR ID	DWR_ST0003_02_f _ 2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.04	Rating **	M	Issue No.	7
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.227859 °	39.227809 °
				-121.961817 °	-121.959050 °
DWR ID	DWR_ST0003_02_f _ 2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0003_265_7_20191017_00013.jpg



View of the vegetation along the waterside slope. Fall 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.29	10/15/2019 10/15/2019	Makar Sokol

LM Start	0.20	Rating **	C	Issue No.	3
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.236171 °	39.236171 °
				-121.990472 °	-121.990472 °
DWR ID	DWR_ST0003_03_s_2019_3				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	0.64	Rating **	M	Issue No.	7
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.237529 °	39.237688 °
				-121.982536 °	-121.981826 °
DWR ID	DWR_ST0003_03_f_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0003_266_7_20191025_00008.jpg



View of the vegetation along the landside slope. Fall 2019.

LM Start	1.84	Rating **	M	Issue No.	8
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.244886 °	39.244883 °
				-121.967463 °	-121.966342 °
DWR ID	DWR_ST0003_03_f_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.29	10/15/2019 10/15/2019	Makar Sokol

LM Start	1.94	Rating **	M	Issue No.	10
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.244888 °	39.244888 °
				-121.965595 °	-121.965595 °
DWR ID	DWR_ST0003_03_s_2012_10				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.03	Rating **	M	Issue No.	9
LM End	2.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.244882 °	39.244901 °
				-121.963830 °	-121.959194 °
DWR ID	DWR_ST0003_03_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.13	Rating **	M	Issue No.	2
LM End	2.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.244925 °	39.244925 °
				-121.962072 °	-121.962072 °
DWR ID	DWR_ST0003_03_s_2015_2				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.29	10/15/2019 10/15/2019	Makar Sokol

LM Start	2.22	Rating **	M	Issue No.	1
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.244908°	39.244908°	
			-121.960285°	-121.960285°	
DWR ID	DWR_ST0003_03_s_2019_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Moulton Bypass	Right	0.30	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.13	Rating **	A	Issue No.	2
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.337541°	39.337541°
				-122.019807°	-122.019807°
DWR ID	DWR_ST0003_04_f_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Both landside and waterside slopes are well-maintained and free of vegetation.					

Photo 1 of 1 : FA_2019_ST0003_267_2_20191017_00003.jpg



View of the well-maintained landside levee slope, free of vegetation. Fall 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Moulton Bypass	Left	2.19	10/16/2019 10/16/2019	Makar Sokol

LM Start	0.03	Rating **	A	Issue No.	8
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.346965 °	39.346965 °
				-122.015607 °	-122.015607 °
DWR ID	DWR_ST0003_05_f_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Both landside and waterside slopes are well-maintained and free of vegetation.					

Photo 1 of 1 : FA_2019_ST0003_268_8_20191017_00004.jpg



View of the well-maintained landside levee slopes, free of vegetation. Fall 2019.

LM Start	1.10	Rating **	M	Issue No.	3
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.338501 °	39.338501 °
				-122.004106 °	-122.004106 °
DWR ID	DWR_ST0003_05_s_2019_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.17	Rating **	M	Issue No.	4
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.337981 °	39.337981 °
				-122.002929 °	-122.002929 °
DWR ID	DWR_ST0003_05_s_2019_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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